

MOJIL, J.

24(2.4) PHASE I BOOK EXPLOITATION CZECH/2433

International Polarographic Congress. 1st, Prague, 1951
Sborník I. Mezinárodní polarografického sjezdu. Díl 3: Hlavní
sborník přednášek na sjezdu. Proceedings...Vol. 3: Reviews
Read at the Congress. Praha, Přírodovědecké vyd-vo (1952)
774 p. 2,000 copies printed.

Resp. Ed.: J. Mojil, Doctor; Chief Ed.: Publishing House:
Milan Štáfl, Doctor; Tech. Ed.: Oldřich Duka.

PURPOSE: The book is intended for chemists, chemical engineers,
and physicists.

COVERAGE: The book is a collection of reviews and original papers
read at the International Polarographic Congress held in Prague
in 1951. Uses of polarography in organic and inorganic analysis,
biochemistry, medicine, and other fields are discussed.
The book is divided into three parts: Reviews, Original papers,
either German or English translations of each review and
original paper. In the section, Original papers Read at the Congress,
only those translations in Russian, German, and English which
have not been published in Volume I are presented. The
following scientists participated in the opening of the
Congress: Professor Viktor Kuznetsov, Dean of the Faculty
of Chemistry, Moscow State University; Professor Vladimir
of Planning; Professor Jaroslav Herovský, Chairman of
the Congress; and Professor Jaroslav Fukatko, Chairman
of the Center for Scientific Research and Technical
Development. References follow each paper.

Valenta, F., Study of Current Discontinuity Appearing on a Calomel Beam Electrode	377
Rad, J., Discontinuity on Polarographic Curves Observed in the Reduction of Some Inorganic Oxygen-containing Anions	382
[Russian Translation] [English Translation]	386
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HOMOLKA, J.; MASOPUST, J.; MOJZIS, J.

Paper electrophoresis of proteins. A procedure applicable in practice. Cas.lek.cesk. 99 no.3/4:78-83 22 Ja '60.

1. Ustredni laborator fakultni polikliniky v Praze, prednosta doc.dr. J. Homolka. Ustav vyskumu vyvoje ditete pri fakulte detskeho lekarstvi v Praze, reditel prof.dr. J. Houstek.
(BLOOD PROTEINS chem.)

Mojzis, J

HOMOLKA, Jiri; technicka spoluprace J. Mojsis

Differential character of albumin in the cerebrospinal fluid
in electrophoresis & polarography. Cas. lek. cesk. 96 no.24-
25:741-744 21 June 57.

1. Ustredni biochemicka laborator DFN, prednosta doc. dr.
J. Homolka. J. H., Praha 2, Sokolska 2.

(ALBUMIN, in cerebrospinal fluid
comparison with serum albumin, electrophoresis &
polarography (Cs))

(SERUM ALBUMIN
comparison with albumin in CSF, electrophoresis &
polarography (Cs))

HOMOLKA, J.; MYDLIL, V.; Technicka spoluprace: MOJZIS, J.; HAASOVA, E.

Comparison of blood proteins in diarrhea and in other conditions
in children. Cas. lek. cesk. 95 no.5:118-121 3 Feb 56.

1. Z I. detske kliniky, prednosta prof. Dr. J. Svejcar.
(DIARRHEA, in infant and child,
blood proteins in, comparison with other cond.(Cz))
(BLOOD PROTEINS, in various diseases,
diarrhea in child., comparison with other pathol.
cond. (Cz))

HOMOLKA, J.; MYDLIL, V.; Technicka spoluprace: MOJZIS, J.; HAASOVA, E.

Quantitative and qualitative considerations on blood proteins
in children. Cas. lek. cesk. 95 no.5:113-118 3 Feb 56.

1. Z. I. detske kliniky v Praze, prednosta prof. Dr. J. Svejcar.
(BLOOD PROTEINS, determination,
in child., qualitative & quantitative aspects.
(Cz))

MOJZIS, J.:ZAK, L.

Single stage titration in determination of calcium in the blood with aid of complexon. Pediat. listy, Praha 8 no.6:348-349 Dec 1953.

(CLML 25:5)

1. Of the Laboratory of Pediatric Clinics and of the Central Laboratory of the Faculty Health Center, Prague.

MOJZIS, A.

"Development in the Construction of Stamping Machines." p. 306, Praha, Vol. 4, no. 4, Apr. 1954.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900011-6

Notes. Munka 10 no5:28 My '60.

1. Sajto-,Dokumentacios Kozpont munkatarsa (for Zsadyi)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900011-6
in the Lodz region. Przegl 601 11 1984-85

MOJSKI, Jozef Edward

POLAND

MOJSKI, Jozef Edward

Department of Geological Sheets of the Geological Institute
(Zaklad Edjec Geologicznych Instytutu Geologicznego)

Warsaw, Awartalnik Geologiczny, No 3, 1963, p 507.

"Main Problems of the Stratigraphy of the Pleistocene
of the Polish Lowlands".

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900011-6

MOSKOWSKI, Josef Edward; NOWICKI, Andrzej

Kames in the vicinity of Bielsk Podlanski. Kwartalnik geol 5
no.4:950-951 '61.

1. Zaklad Zdjec Geologicznych, Instytut Geologiczny, Warszawa.

MOJSKI, J.

An international conference on the coastal lines of the southern
Baltic. Przegl geol 13 no.1:3-4 of cover. P 100.

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SWIDZINSKI, H.; KOSTECKI, J.; WOJCIK, Zb.; MOJSKI, J.; GLAZEK, J.

Review of publications. Przegl geol 12 no.10:428-430 O '64.

NOJSKI, J.

History of the Caspian Sea in the quartercentury. p. 129.
CZASOPISMO GEOGRAFICZNE, Wroclaw, Vol. 26, no. 3, 1955.

SO: Monthly List of East European Accessions, (S. 14), LC, Vol. 4, no. 1, pt. 1, 2,
Uncl.

POJSKERC, V.

Night attack by the Chaker Brigade against Studenec-Is, 1944, p. 11.
(VOJNI GLASNIK, Vol. 8, no. 6, June 1944, Beograd, Yugoslavia)

So: Monthly list of East European accessions, (Lam), n. 1, Vol. 8, no. 1
Jan. 1955, Incl.

MOJSINOVICH, Josip, inz.

Hydrotechnical problems in the United States. Gradevinar
14 no.9:316-320 S '62.

1. "Hidroprojekt", Zagreb.

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ZOLNIERZ POLSKI.
MILITARY & NAVAL SCIENCES
POLAND, WARSZAWA.

So: East European Accession, Vol. 6, No. 5, May 1957

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NOJSTEJUK 42 301 4

1. *Pharmaceutical industry* – The pharmaceutical industry is a major contributor to the U.S. economy, with sales of over \$200 billion in 2000. The industry is characterized by high research and development costs, long time to market, and high barriers to entry. The industry is also heavily regulated, with the FDA playing a central role in the approval of new drugs.

1. Minimization of the number of components.

MOJSIEJUK, Kazimierz, mgr

Plastic wrappings. Chemik 16 no. 5:162-165 My '63.

MOJSIEJUK, Kazimierz, mgr

Results of the contest for the best retail wrapping, 1962.
Chemik 15 no.10:370-371 0 '62.

MOJSIEJUK, Kazimierz

The dimension system of wrapping in the chemical industry.
Przem chem 41 no.4:181-182 Ap '62.

1. Ministerstwo Przemysłu Chemicznego, Warszawa.

MOJSIEJUK, Kazimierz, mgr

Transportation-protection wrappings made of soft polyvinyl chloride foil. Chemik 15 no.11:407-408 N '62.

MOJSIEJUK, Kazimierz, mgr

Wrapping, the permanently present problem. Chemik 15 no.6:
213-216 Je '62.

1. Ministerstwo Przemyslu Chemicznego, Warszawa.

MOJSIEJUK, Kazimierz, mgr

Industrial storing buildings, an underestimated problem. Chemik
15 no.4:140-142 Ap '62.

1. Ministerstwo Przemyslu Chemicznego, Warszawa.

MOJSIEJUK, Kazimierz, mgr.

The specialization in the chemical industries. Chemik 14
no.9:346-352 S '61.

1. Ministerstwo Przemyslu Chemicznego, Warszawa.

MOJSIEJUK, Kazimierz

Problems of mechanization of hard works in the chemical industries.
Przem chem 39 no.5:237-239 My '60.

1. Ministerstwo Przemyslu Chemicznego, Warszawa

MOJSIEJUK, K.

Pallet conveyers instrumental in reducing prime costs. p. 112.

CHEMIK. (Ministerstwo Przemyslu Chemicznego i Stowarzyszenie Naukowe-Techniczne Inzynierow i Technikow Przemalu Chemicznego) Wawszawa, Poland Vol. 12, no. 3, Mar. 1959.

Monthly List of European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959.

Uncl.

MOJSIEJENKA, Anatol

City of Kielce, the capital city of the Voivodeship. Przegl geol
10 no.9:469-472 S '62.

1. Wojewodska Rada Narodowa, Kielce.

MOJSIC, M.

DANILOVIC, V.; OBRADOVIC, J; MOJSIC, M.

Centropneine in the treatment of bronchial asthma. Med. glasn. 9
no.4:146-148 Apr '55.

1. III Interna klinika Medicinskog fakulteta u Beogradu (upravnik
prof. dr. A. Radosavljevic)

(ASTHMA, ther.

centropneine (Ser))

(PANCREAS, horm.

centropneine, ther. of bronchial asthma(Ser))

DANILOVIC, Vojislav, dots.dr; MOJSIC, Mladen, Dr; OBRADOVIC, Jelka dr.

Bacterial flora of sputum in asthma and immediate results of
therapeutic use of autovaccine sputum. Med.pregl., Novi Sad 7
no.6:443-448 1954.

1. III Internaklinika Medicinskog fakulteta, Beograd: prof.dr.
Aleksandar Radosavljevic.

(VACCINES AND VACCINATION,

asthmatic sputum autovacc.,ther.results)

(ASTHMA, bacteriology,

sputum bacteriol. & the .results with autovacc.from sputum)

(SPUTUM, bacteriology,

in asthma, flora & ther. results with autovacc. from
sputum)

KANTOREK, Regina; MOJSEWICZ, Krystyna

Diagnostic difficulties in diseases of the salivary glands
(Zas. stomat. 18 no.8/9:1105-1108 Ag-3 '65.

1. Z Kliniki Chirurgii Stomatologicznej Pomorskiej AM w
Szczecinie (Kierownik: prof. dr. med. I. Samadani-Gonjapow).

MOJCVIC, Mihailo; PETROVIC, Olga

Diagnosis of food allergy in children. Srpski arh. lek. lek.
92 no.4:395-400 'Ap '64

1. Fizioloski Institut Medicinskog Fakulteta Univerziteta u
Beogradu (Upravnika prof. dr. Milutina Neskovic) i Depe
bolnica "Dr. O. Popovic-Bedizelj" u Beogradu (Upravnika prim.
dr. Jordan Tomic).

MOJOVTC, M.

Determine if all of them have their names
diagnosed and in the diagnosis of a doctor. (Eugene)
Eugene. (Eugene. 1936-1937)

1. Pzotolok. (Eugene. 1936-1937)

MOLOVIO, M.; SKEROVIC, B.

Departure of one of the...
the course of...
no. 1410-17 142

1. Plazinski Institut...
142

YUGOSLAVIA

Mihailo MOJOVIC, Ljubisav RAKIC and Djordje POPOVIC-ERAK, Department of Physiology of Medical Faculty of University (Fizioloski institut Medicinskog fakulteta Univerziteta), Head (Upravnik) Prof Dr Milutin NESKOVIC, Belgrade.

"Effect of Fatigue on Chronaxia of Leg Muscles."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 91, No 1, Jan 63; pp 1-5.

Abstract [English summary modified]: Chronaxy studies in 30 ballet dancing students aged average 16&7/12 before and after strenuous practice period of 2 hours: chronaxy of m. fibularis longus and m. tibialis anterior increased by average 0.34 sigma in all, back to normal in 15 minutes. Table; 3 Soviet, 2 Western, 3 Yugoslav refs.

MOJOVIC, Mihailo; VASILJEVIC, Branislav

Effect of the Sijerinska Banja mineral water on gastric secretion.
Srpski arh. celok. lek. 89 no.4:445-450 Ap '61.

1. Institut za medicinsku hidrologiju i klimatologiju Medicinskog
fakulteta Univerziteta u Beogradu. Upravnik: prof. dr Milutin
Neskovic.

(MINERAL WATER pharmacol) (GASTRIC JUICE)

ROLOVIC, Zoran; MOJOVIC, Mihaјlo

Conjunctival and cutaneous allergic manifestations caused by local sulfacetamide. Srpski arh. celok. lek. 89 no.3:375-377 Mr '61.

1. Zavod za transfuziju krvi u Beogradu. Upravnik: dr Paula Lah.
Fizioloski institut Medicinskog fakulteta Univerziteta u Beogradu.
Upravnik: prof. dr Milutin Neskovic.

(SULFONAMIDES toxicol) (DERMATITIS MEDICAMENTOSA)
(CONJUNCTIVITIS etiol)

MOJOVIC, Mihailo

Contribution to the treatment of bronchial asthma by means of a specific desensitization with an allergen prepared from house dust. Srpski arh. celok. lek. 89 no.2:153-163 F '61.

1. Fizioloski institut Medicinskog fakulteta Univerziteta u Beogradu.
Upravnik: prof. dr Milutin Neskovic.

(ASTHMA ther) (DUST)

MOJOVIC, M.; PETROVIC, O.; VULOVIC, D.

Contribution to the study of food allergy in children. Acta
med. iugosl. 13 no.3:378-385 '59.

1. L'Hopital des enfants malades "Dr. Olga Popovic-Dedijer" de
la Ville de Belgrade.

(ALLERGY in inf. & child)
(FOOD)

MOJOVIC, Mihajlo; SPUZIC, Ivan

Sensitisation of organism to bacteria. Srpski arh. celok. lek.
85 no.3:293-298 Mar 57.

1. Fizioloski institut Medicinskog fakulteta u Beogradu.
Upravnik: prof. dr. Milutin Neskovic. Odeljenje za eksperimentalnu
i klinicku patologiju Instituta za medicinska istrasivanja Srpske
akademije nauka. Upravnik: prof. dr. Vojislav Arnovljjevic.
* (ALLERGY, etiol. & pathogen,
to bact. (Ser))

MOJOVIC, Mihailo

Allergy in inhabitants of Sijarinska Banja and nearby villages.
Srpski arh. celok. lek. 85 no.2:184-190 Feb 57.

1. Institut za hidrologiju i klimatologiju Medicinskog fakulteta u
Beogradu. Upravnik: prof. dr. Milutin Neskovic.
(ALLERGY, epidemiol.
in Yugosl. (Ser))

MOJOVIC, Mihailo

Case of a cured allergic asthma. Srpski arh. celok. lek.
84 no.3:394-396 March 56.

1. III Interna klinika Medicinskog fakulteta u Beogradu.
Upravnik: Aleksandar Radosavljevic.

(ASTHMA, etiol. & pathogen.

allergy to household dust, ther., desensitization (Ser))

(ALLERGY, etiol. & pathogen.

household dust, causing asthma, ther., desensitization (Ser))

(DUST, inf. eff.

allergy caused by household dust & causing asthma, ther.,
desensitization (Ser))

SPUZIC, V.; PERISIC, S.; STANIS, I.; DARDINOVIC, J.; PUCOVIC, N.; VUCIC, M.

Air pollution as an etiological factor in asthma in the Belgrade area. Glas. Srpska akadem. nauk [Novi.] 11 no. 19:55-58, 1964.

MONOVIC, Ljubomir, dipl. inž.

Economic characteristics of nuclear power plants. Nuklear
energija 1 no.2/3:7-11 '64.

Fuel cycle economic characteristics. Ibid.:19-22

1. Director, Nuclear-Power Sector of the Energoprojekt Enter-
prise, Belgrade.

FERETIC, Danilo, inz.; MOJOVIC, Ljubomir, inz.

Operational experiences with power reactors. *Nuklear energija*
1 no.1:27 JI '64.

1. Head, Reactor Group of the Duro Dakovic Enterprise, Slavonski
Brod (for Feretic). 2. Nuclear-Power Sector of the "Energoprojekt"
Enterprise, Belgrade (for Mojovic).

ZMFA. Edmund; M. J. KOSKA, Halina

Restoration of the sinus rhythm in mitral stenosis in 100 cases
commissar romy. pol. arch. med. wewn. 34 no. 49485-100 1964

1. Z Kliniki Kardiologii Szpitala Doskonalenia lekarzy w
Akademii Medycznej w Warszawie (kierownik prof. dr. med.
E. Zetzel).

NOJKOWSKA, Halina

Evaluation of the anti-arrhythmic treatment of myocardial infarction. Pol. tyg. lek. 19 64. 39/145-148 22. 1. 64.

1. Katedra Kardiologii Studium Doskonalenia Lekarzy Akademii Medycznej w Warszawie (Kierownik prof. dr. med. Edmund Żera).

ZERA, Edmund; MOJKOWSKA, Halina

Evaluation of therapeutic results in subacute bacterial endocarditis according to data on 140 cases. Polskie arch. med. wewn. 30 no.10:1303-1310 '60.

1. Z Kliniki Kardiologii Studium Doskonalenia Lekarzy w Akademii Medycznej w Warszawie i Oddziale Kardiologicznego Szpitala Miejskiego nr 6 w Warszawie, Kierownik: prof. dr med. E. Zera.

(ENDOCARDITIS SUBACUTE BACTERIAL ther)

WOJCIOWSKA, Halina

Studies on the effect of the autonomic nervous system on spontaneous ventricular rhythm. Polskie arch. med. wewn. 26 no.6:899-926 1956.

1. Z Oddz. chorob serca Szpitala Miejskiego Nr 6 w Warszawie i Zakladu Kardiologii Inst. Doskonalenia i Specjalizacji Kadr Lekarskich. Kier. prof. dr. med. E. Zera, Warszawa, ul. Goszczynskiego 1.

(HEART BLOCK, physiology,

AV block, eff. of autonomic drugs on cardiac rhythm (Pol))

(AUTONOMIC DRUGS, effects,

on heart rhythm in AV block (Pol))

YUGOSLAVIA

MOJIC, Angelina, Prim., Dr.; GRIC, Radivoj, Ph.D, Dr.: No affiliation, Belgrade.

"Minimum Health Protection During Pregnancy, Delivery, and the Post-Natal Period"

Belgrade, Narodno zdravlje, Vol 22, No 2, 1966, pp 42-53

Abstract: presented in this article are the detailed data and roles of institutions and services which participate in the health protection of women (dispensaries, health stations, hospital delivery rooms, non-hospital delivery rooms, and midwife field services). Minimal criteria are given for the efficient functioning of these institutions, their cadre, and advisory services. No references.

1/1

INFORMANTS

Modic, Aneliza, MSc, of the Federal Institute for Health Protection
in Belgrade, Yugoslavia, is the author of the article.

"The most important environmental problems in the health protection of
children"

Belgrade, Yugoslav Journal, Vol. 10, No. 12, 1983, pp. 41-42

Abstract: This article is a review of a conference on the
Child Protection, held in Belgrade from September 2 to 4, 1983. General
and specific factors regarding the health protection of children are
discussed. The establishment of a pediatric hospital and the
development of a pediatric program of health protection are
discussed to be the starting point of investigation. The article
of living among the general population in Yugoslavia, health protection
alignment of different priorities for health protection. The
evidence indicates decline in fertility and early age at first
bearing women. Increase of smoking, permanent residence in
rural problem to give birth were considered as important factors.

U/1

MOJIC, Angelina, Prim.Dr, Beograd

Obstetric and gynecological problems in Beograd, Yugosl. Narodno.
sdrav., Beogr. 11 no.6:203-208 '55.

(OBSTETRICS,

in Beograd, Yugosl., introduction of modern methods
(Ser)

(GYNECOLOGY,

in Beograd, Yugosl., introduction of modern methods
(Ser)

MOJIC, Angelina, dr., Beograd

The protection of mothers and newborn in case of war. Narodno
sdrav., Beogr. 10 no.7-8:220-222 1954.

(INFANT, NEWBORN

protection of newborn in war)

(MATERNAL WELFARE

protection of mothers in war)

(CIVIL DEFENSE

protection of mothers & newborn in war)

MOJIC, Angelina

MOJIC, Angelina, dr. (Beograd)

Contraceptive methods. Med. glasnik. 8 no.3-4:112-117 Mar-Apr 54.
(CONTRACEPTION
*methods)

POLAND / Chemical Products and Their Applications. Pharmacological. Vitamins. Antibiotics. 11-17

Abs Jour: Ref Zhur-Khimiya, No 3, 1970, 2223.

Author : Kucjko, A., Krowczynski, L.
Inst : Not given.
Title : Separation and Identification of Components of Composite Tablets by Paper Chromatography.

Orig Pub: Acta Polon. Pharm., 1977, 14, No 2, 17-20.

Abstract: The methodology is described for separation and identifying chromatographically (Whatman paper No. 8) substances entering the composition of composite medicinal tablet in doses: aspirin, phenacetin, adelin, carbinol, sodium phosphate, and sodium carbonate. R_f values for mixtures and pure substances are given. -- A. Vavilova.

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MOJDL, J.

"Atlas of the Republic of Austria." Reviewed by J.Mojdl. Sber
zem 68 no.3:279 '63.

MOJDL, J.

"Map of the Krnov and Osoblaha regions 1:100,000. Reviewed
by J, Mojdl. Sbor zem 68 no.2:202 '63.

MOJDL, J.

"International yearbook of cartography 1961." Vol.1.
Reviewed by J. Mojdl. Sbor zem 68 no.2:200 '63.

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: /not /no./

Source: Prague, Sbornik Ceskoslovenske Spolecnosti Zemeplane, Vol 66, No 4,
61, pp 382-383.

Data: Pocket Atlas of the World (kapesni atlas sveta), Prague, USSR /Ustredni sprava geodesie a kartografie; Central Geodetic and Cartographic Office/, 1-60. 39 maps 77 index pages.

Moj C.

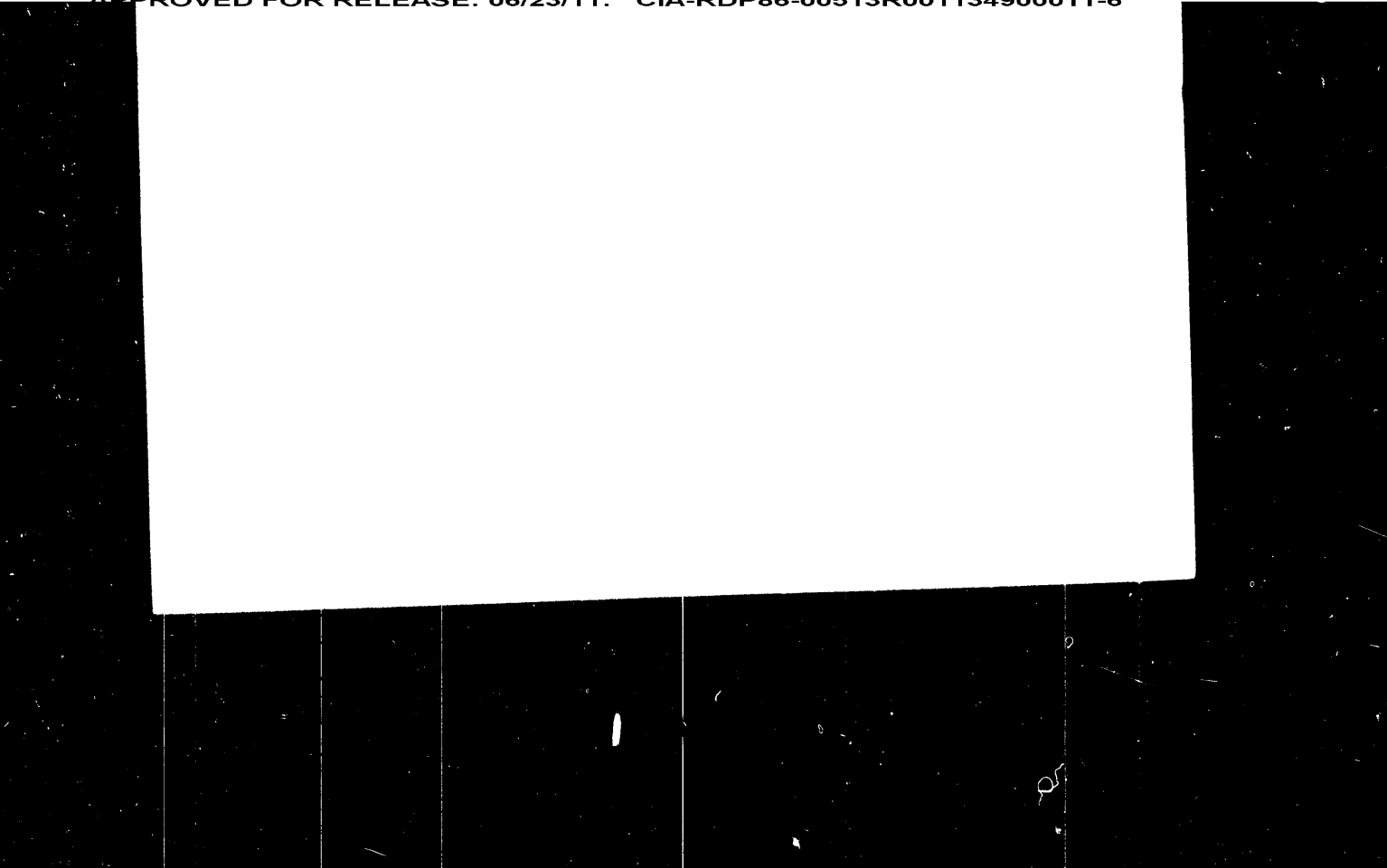
Moj C.

Nawrot J., Eng. and Moj C. "Observations on the Tanning of Sole Leathers with B.N.S. Rotanin." (Spostrzezenia na temat garbowania skor podszwowych Rotanina B.N.S.). Przegląd Skorgląd Skorzany, No. 3-4, 1950, pp. 19-20, 1 tab.

The article contains the results of experimental tanning with a synthetic tanning material B.N.S. - Rotania of Polish production. The tests were carried out on an individual scale, under normal production conditions, special analyses being made to determine the content of combined tanning and water-soluble matter, not only in finished leather, but also in intermediat products, after tanning in rocker yard and in two tanning pits (for test purposes). A certain novelty in the process employed by the authors is the use of a separate first tanning pit filled exclusively with synthetic extract (B.N.S.). The results obtained under working conditions, in so far as quality of the leather is concerned, are entirely satisfactory.

SO: Polish Technical Abstracts - No. 2, 1951

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MOISUC, G.

The doctrine of "human relations", an instrument for the intensification of the exploitation of proletariat. Probleme econ 14 no.10:81-97 '61.

ZIRAKADZE, A.N.; MOISTSRAPISHVILI, M.G.

Biological evaluation of sedatives and stimulants. Soob. AN
Gruz. SSR 33 no.18219-224 Ja '64. (MIRA 17:7)

GRIGOR'YEV, F.N.; Prinimeli uchastiye: MALAKHA, A.V.; MOISIYEVICH, G.I.;
SHEKHOVA, L.Ye.

Increasing the durability of open-hearth checker bricks. Ogneupory.
26 no.8:367-370 '61. (MIRA 14:9)

1. Stalinskiy metallurgicheskiy zavod.
(Firebrick) (Open-hearth furnaces)

MOISUC, C. .

Stimulation of the saving of material resources. Probleme econ 1' no.
2140-52 F 64.

MOISIUC, G.

Methods used in fighting erosion in the district of Ponornitsa Chernigov region, USSR
p. 479, Vol 70, No 10, REVISTA PADURILOR, BUCURESTI, RUMNIA

SOURCE: East European Accessions List (EEAL) LC Vol 5, No 6, June 1956

MOISINI, I.

Certain systems of equations with linear partial derivatives
and variable coefficients. Studii mat Iasi 12 no.2:267-278 '61.

MOISIN, ELIZA
SURNAME, Given Names

Country: Rumania

Academic Degrees:

Affiliation: -not given-

Source: Bucharest, Farmacla, Vol IX, No 9, Sep 1961, pp 553-561.

Data: "A Study of the Injectable Drugs" Included in the 7th Edition
of the Rumanian Pharmacopoeia.

Authors:

TORJESCU, V., -Farm. Dr.-

MOISIN, Eliza, -Pharmacist.-

CAMENITA, Maria, -Pharmacist.-

SAGHIN, Maria, -Pharmacist.-

NAUM, V., -Pharmacist.-

GPO 901643

MOISIN, Draganir

The instructors of the Artistic Rumanian Formations. Munca
sindic 6 no.6:20-22 Je '62.

1. Membru in biroul executiv al Consiliului local al
sindicatelor, Bucuresti.

MOISIL, Gr. C., acad.

Memories about Dimitrie Pompeiu. Gaz mat fiz 70 no.3:81-84.
Mr '65.

WILSON, G.

Calculation of the electric potential produced in the ground
by an electric railway. *Ukr. Inst. Elektrot. 23 no.23 1963*
11-Ag 163.

1. Department of Physical Sciences, Polytechnical Institute.

MOISIL, Gr. C., acad.

Symposium on automation held in Bucharest, in the autumn
1964. Automatica electronica 7 no.6:241-245 N-D'63.

1. Institutul de Matematica, Str. Mihail Eminescu nr. 47,
Bucuresti 3.

Algebraic Theory(Cont.)

SOV/6469

(Galois fields) for the synthesis and analysis of contact- and contactless-relay switching circuits designed out of two-position and multiposition elements. An important part is devoted to the method of designing the sequence of switching-circuit states from the given sequence of input and output signals. The results of research in this subject by the author and his coworkers are given. There are 31 references, 17 Soviet, 10 English, 3 French, and 1 German.

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MOISIL, Gr. C., academician

Algebra of transistor circuits. Probleme automatiz 4:135-153 '63.

MOISIL, Gr. K., [Moisil, Gr.G.], akademik; OSTIANU, V.M. [translator];
SHESTAKOV, V., red.; SAGALOVICH, Yu.L., red.; POTAPENKOVA,
Ye.S., tekhn. red.

[Algebraic theory of discrete automatic mechanisms] Algebra-
icheskaya teoriya diskretnykh avtomaticheskikh ustroystv. Pod
red. V.I. Shestakova. Moskva, Izd-vo inostr. lit-ry, 1963.
680 p. Translated from the Rumanian. (MIRA 16:7)

(Electronic computers)
(Logic, Symbolic and mathematical)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001134900011-6

MOISIL, Gr.K., akad. [Moisil, Gr. C.]

Commission on Automation at the Rumanian Academy. Spisarie
BAN 7 no.1/2:148-155 '62.

An algebraic theory of the . . .
are generalized Scheffer functions.

S/044/62/000/008/059/073
C111/0333

[Abstracter's note: Complete translation.]

40531
S/044/62/000/008/059/073
C111/C333

AUTHOR: Moisil, Grigore
TITLE: An algebraic theory of the transistor circuits. Part III.
PERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1962, 49,
abstract 8V254. ("Automat. si electron", 1961, 5, no. 5,
193-199)

TEXT: Considered are 25 circuits, constructed out of transistors
of the type PNP. Each circuit is obtained by connecting the outputs of
the circuits of one of the five types which have been described in the
first part of the paper (Ref. 8V252) to the inputs of an other circuit.
It is shown that these 25 circuits realize the functions

$$\begin{aligned} & \bar{\Pi}x_i, \bar{\Pi}\bar{x}_i, \bar{\Pi}x_i, \bar{\Pi}\bar{x}_i, \bar{\Pi}x_i, \bar{\Pi}\bar{x}_i, \\ & \bar{\Pi}x_i, \bar{\Pi}\bar{x}_i, \bar{\Pi}x_i = \bar{\Pi}x_i, \bar{\Pi}\bar{x}_i, \end{aligned}$$

where

$$\begin{aligned} \bar{\Pi}x_i &= x_1 \bar{\Pi} \dots \bar{\Pi}x_n = \bar{\Pi}x_i, \\ \bar{\Pi}x_i &= x_1 \bar{\Pi} \dots \bar{\Pi}x_n = \bar{\Pi}x_i \end{aligned}$$

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AUTHOR: Moisil, Gr. C.

TITLE: Circuits consisting of transistors NPN. Part II. 11

PERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1962, 49,
abstract 8V253. ("Automat. si electron.", 1961, 2, no. 4,
146-148)

TEXT: One points to the fact that one is able to construct a
circuit out of two transistors of the type NPN in five different ways.
These construction methods of transistor circuits are extended to the
case of n transistors of the same type. It is shown that these circuits
realize the functions $\bigcup_i \bar{x}_i, \bigcap_i x_i, \bigcap_i \bar{x}_i, \bigcup_i x_i$ which are defined in the
first part of the paper of the author (Ref. 8V252).

[Abstracter's note: Complete translation.]

Card 1/1 11 REF. S/044/62/000/008/0574054/073

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S/044/62/000/008/057/073
C111/C333

AUTHOR: Moisil, Grigore, G.

TITLE: An algebraic theory of the transistor chains. Part 1.
Working functions of transistor circuits

PERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1962, 48-49,
abstract 8V252. ("Automat. si electron.", 1961, 2, no. 3,
101-104)

TEXT: One points to the fact that one is able to construct a cir-
cuit out of two transistors of the type PNP in five different ways. To
each transistor one lets correspond 3 two-valued variables x , w and t
which characterize the input and output state of the circuit and the
state of the transistor. To each kind of the transistor wiring one
determines the expression which describes the output of the chain as a
function of the inputs. These five ways of the wiring of circuits
consisting of two transistors are generalized to the case of one
circuit consisting of n transistors. It is shown that in this way one can
realize the following functions

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The five-valued logic and its . . .

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characteristic equations of the real working of relays with usual and with special contacts are found out. An example for the synthesis of a real working relay-contact circuit is given.

[Abstracter's note: Complete translation.]

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S/044/62/000/008/060/073
C111/C333

AUTHOR: Moisil, Grigore, C.

TITLE: The five-valued logic and its application to the investigation of electric circuits

PERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1962, 49, abstract 8V257. ("Squhrn praci o automat. 1959". Praha, 1961, 177-195)

TEXT: In the five-valued logic the "logical value" $r(p)$ of the statement p is equal 1, if p is unconditionally true; $r(p) = 3/4$, if p is true but not unconditional; $r(p) = 1/2$ if p is problematically true; $r(p) = 1/4$, if p is untrue but not unconditional; $r(p) = 0$ if p is unconditionally untrue. One describes the real working of the relay, where the different values of $r(p)$ are assigned to the different positions of the relay contacts. Modal functions and their properties are investigated. Functions which are realized by the contacts of real working relays are deduced. The basic logical connections are investigated. Algebraically different methods of contact connections in electric chains are described. The interpolation formula of Lagrange is deduced. The

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D237/D301

Observations on linearized ...

There are 3 references: 2 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows:
Shih - I. Pai: Viscous Flow Theory. I - Laminar Flow. D. Van Nostrand Company Inc., Princeton, New Jersey, Toronto, London, New York 1956.

SUBMITTED: May 12, 1960

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Observations on linearized ...

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$$w = \left(a^2 + \frac{v}{3} \frac{\partial}{\partial t} \right) \frac{\partial^2}{\partial x \partial x} \Gamma_x + \left(a^2 + \frac{v}{3} \frac{\partial}{\partial t} \right) \frac{\partial^2}{\partial x \partial y} \Gamma_y + \left[\frac{\partial^2}{\partial t^2} - \left(a^2 + \frac{v}{3} \frac{\partial}{\partial t} \right) \left(\frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2} \right) - v \frac{\partial}{\partial t} \Delta \right] \Gamma_z, \quad (10)$$

in which Γ_x , Γ_y , Γ_z are three arbitrary integrals of the equation (8). Theorem III: Every motion described by the system (1) may be decomposed into the sum of three motions: a stationary motion, an incompressible motion and an irrotational motion; Theorem IV: The Vortex components satisfy Eq.

$$\left(v \Delta - \frac{\partial}{\partial t} \right) \frac{\partial \Gamma_z}{\partial t} = 0 \quad (17)$$

while the cubic dilatation satisfies the equation

$$\left[\left(a^2 + \frac{4v}{3} \frac{\partial}{\partial t} \right) \Delta - \frac{\partial^2}{\partial t^2} \right] \theta = 0 \quad (18)$$

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Observations on linearized ...

$$\left[\left(a^2 + \frac{4v}{3} \frac{\partial}{\partial t} \right) \Delta - \frac{\partial^2}{\partial t^2} \right] \left[v \Delta - \frac{\partial}{\partial t} \right] \frac{\partial \Phi}{\partial t} = 0. \quad (8) \quad (8)$$

Theorem II: The velocity components may be represented by a Galerkin vector $(\Gamma_x, \Gamma_y, \Gamma_z)$

$$\begin{aligned} u &= \left[\frac{\partial^2}{\partial t^2} - \left(a^2 + \frac{v}{3} \frac{\partial}{\partial t} \right) \left(\frac{\partial^2}{\partial y^2} + \frac{\partial^2}{\partial z^2} \right) - v \frac{\partial}{\partial t} \Delta \right] \Gamma_x + \\ &+ \left(a^2 + \frac{v}{3} \frac{\partial}{\partial t} \right) \frac{\partial^2}{\partial x \partial y} \Gamma_y + \left(a^2 + \frac{v}{3} \frac{\partial}{\partial t} \right) \frac{\partial^2}{\partial x \partial z} \Gamma_z, \\ v &= \left(a^2 + \frac{v}{3} \frac{\partial}{\partial t} \right) \frac{\partial^2}{\partial y \partial x} \Gamma_x + \left[\frac{\partial^2}{\partial t^2} - \left(a^2 + \frac{v}{3} \frac{\partial}{\partial t} \right) \left(\frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial z^2} \right) - v \frac{\partial}{\partial t} \Delta \right] \Gamma_y + \\ &+ \left(a^2 + \frac{v}{3} \frac{\partial}{\partial t} \right) \frac{\partial^2}{\partial y \partial z} \Gamma_z, \end{aligned} \quad (10) \quad (10)$$

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Observations on linearized ...

Their difference is

$$V_2(-T^2 + B) + B_3(T^2 - B) = 0$$

so that $V_2 = V_3$, and the system (6) has the solutions:

$$U_1 = H(T^2 - AY^2 - AZ^2 - B), U_2 = H A X Y, U_3 = H A X Z,$$

H being an arbitrary polynomial. The equation satisfied by u is:

$$S\left(\frac{\partial}{\partial x}, \frac{\partial}{\partial y}, \frac{\partial}{\partial z}, \frac{\partial}{\partial t}\right) = 0,$$

in which S is given by:

$$S = \sum U_i P_{ii} = T(T - \sqrt{Q}) \left[T^2 - \left(a + \frac{4v}{3} T\right) Q \right]. \quad (7) \quad (7)$$

The author then deduces the following four theorems: Theorem I: The velocity component satisfies the equation with partial derivatives

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Observations on linearized ...

To find the equation satisfied by $u = \varphi_1$, it is necessary to find the polynomials $U_i(X, Y, Z, T)$, so that

$$\sum_{i=1}^j U_i P_{ij} = 0, \quad (5)$$

for $j = 2, 3$. The equations (5) are

$$\begin{aligned} U_1 A X^2 + U_2 (-T^2 + A Y^2 + B) + U_3 A Y Z &= 0, \\ U_1 A X Z + U_2 A Y Z + U_3 (-T^2 + A Z^2 + B) &= 0. \end{aligned} \quad (6)$$

The first equation of (6) shows that U_2 is divisible by Y , while the second equation shows that U_3 is divisible by Z . Taking $U_2 = YV_2$, $U_3 = ZV_3$, Eq. (6) become:

$$\begin{aligned} U_1 A X + V_2 (-T^2 + A Y^2 + B) + V_3 A Z^2 &= 0; \\ U_1 A X + V_2 A Y^2 + V_3 (-T^2 + A Z^2 + B) &= 0. \end{aligned}$$

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Observations on linearized ...

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Considering equations

$$Q = X^2 + Y^2 + Z^2, \quad A = a^2 + \frac{2}{3} T, \quad B = QT \quad (2)$$

and

$$\begin{aligned} P_{11} &= T^2 - AX^2 - B, & P_{23} &= P_{32} = -AYZ \\ P_{22} &= T^2 - AY^2 - B, & P_{31} &= P_{13} = -AZX \\ P_{33} &= T^2 - AZ^2 - B, & P_{12} &= P_{21} = -AXY, \end{aligned} \quad (3)$$

$$\varphi_1 = u, \quad \varphi_2 = v, \quad \varphi_3 = w.$$

in which Q , A , B and P_{ij} are polynomials of X , Y , Z and T , the equation system (1) may be expressed by

$$\sum_{i=1}^3 P_{ij} \left(\frac{\partial}{\partial x}, \frac{\partial}{\partial y}, \frac{\partial}{\partial z}, \frac{\partial}{\partial t} \right) \varphi_i = 0, \quad (i = 1, 2, 3). \quad (4)$$

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R/008/81/000/001/003/011
D237/D301

AUTHOR: Moisil, Gr.C., Academician

TITLE: Observations on linearized equations of compressible viscous fluids

PERIODICAL: Studii și cercetări de mecanică aplicată, no. 1, 1961, 41 - 45

TEXT: The author applies the method of associated matrices to the equation system of compressible viscous fluid

$$\begin{aligned} \frac{\partial^2 u}{\partial t^2} - a^2 \frac{\partial}{\partial x} \left(\frac{\partial u}{\partial x} + \frac{\partial v}{\partial y} + \frac{\partial w}{\partial z} \right) &= \frac{\nu}{3} \frac{\partial^2}{\partial x \partial t} \left(\frac{\partial u}{\partial x} + \frac{\partial v}{\partial y} + \frac{\partial w}{\partial z} \right) + \nu \Delta \frac{\partial u}{\partial t}, \\ \frac{\partial^2 v}{\partial t^2} - a^2 \frac{\partial}{\partial y} \left(\frac{\partial u}{\partial x} + \frac{\partial v}{\partial y} + \frac{\partial w}{\partial z} \right) &= \frac{\nu}{3} \frac{\partial^2}{\partial y \partial t} \left(\frac{\partial u}{\partial x} + \frac{\partial v}{\partial y} + \frac{\partial w}{\partial z} \right) + \nu \Delta \frac{\partial v}{\partial t}, \\ \frac{\partial^2 w}{\partial t^2} - a^2 \frac{\partial}{\partial z} \left(\frac{\partial u}{\partial x} + \frac{\partial v}{\partial y} + \frac{\partial w}{\partial z} \right) &= \frac{\nu}{3} \frac{\partial^2}{\partial z \partial t} \left(\frac{\partial u}{\partial x} + \frac{\partial v}{\partial y} + \frac{\partial w}{\partial z} \right) + \nu \Delta \frac{\partial w}{\partial t}. \end{aligned} \quad (1)$$

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The synthesis of relay- and ...

from the given, from which, by getting rid of the variable, both processes are obtained together. The author, in collaboration with G. Ioanin, using three-valued logic, solved the problem of synthesis of a real relay switching system, i.e. a system with transients. The author has also shown that the most considerable simplification of a relay on-off system with electronic elements may be achieved by means of bridge circuits, using a three-valued logic. Paul Konstantinesen developed a method of introducing bridge circuits into the relay on-off systems with diodes, by using the following definition of the two- multi-pole networks being equivalent: A given multi-pole A is transformed into an equivalent multi-pole B if all conductances of a given program remain unchanged by this transformation. The method can be applied to (p-q)-poles. In the case of multi-poles without diodes, this problem was put and solved by Sergey Rydyan. A discussion followed in which the following took part: G.K. Moisil (Rumania), M. Nedelku (Rumania), V.I. Sheshtakov (USSR) and V.V. Vorzheva (USSR).

ASSOCIATION: Academy of Sciences of the Rumanian People's Republic
Committee for Automation

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The synthesis of relay- and ...

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tinesku used the method for analyzing computer circuits. Examples of his analysis are given. Dr. Agosh Vaya analyzed the operation of certain multivibrators and operational memory arrangements. The second problem of synthesis is stated to be that of a relay on-off system with a given program of operation of intermediate elements and given output states, corresponding to a pre-determined program of input elements. An example of synthesis of such a system is given. The third problem is stated to be that of synthesis of a relay on-off system from a given program of output elements (as dependent on the program of input elements). The group evolved three methods for solving this problem. The first method was obtained by the author and G. Ioanin. It is proved that the problem may be solved by means of a single-ordinary relay, trigger, one polarized relay, a delay line or by means of a single shot multivibrator. G. Ioanin has extended this method for the case of elements which he called "active output elements" i.e. those whose contacts influence the circuit operation. The second method was developed by the author in 1955. This method introduces infinite operations of a two-element Boolean algebra. The third method, developed by K.P. Popovich, reduces the synthesis to obtain a certain form of processes

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D201/D305

AUTHOR: Moisil, G.S. (Rumania)

TITLE: The synthesis of relay- and electronic-switching circuits

SOURCE: International Federation of Automatic Control 1st Congress, Moscow, 1960. Statisticheskiye metody issledovaniya. Teoriya struktural modelirovaniye, terminologiya, obrazovaniye. Moscow. Izd-vo AN SSSR, 1961. 311 - 322

TEXT: The author presents the results of work carried out under his leadership on problems of the synthesis of relay and electronic switching systems. The group has been using, besides the Boolean algebra, the multi-valued Lukashevich logics and the finite Galua fields. The results of this research are given in the author's book "Teoriya algebric a mecanismelor automate", Bucharest, 1959, and in lectures given in Varenna in 1959. The first problem of synthesis is that of single on-off relay systems. The group has deri

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On the utility of the idea of the ...

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denotes the number of the relays in the circuit. Two cases of practical application of the idea of the isomorphism of circuits are given: 1.) if a circuit is constructed, the state of rest of which is the state

$$x_{i_1} = \dots = x_{i_n} = 0, x_{j_1} = \dots x_{j_p} = 1$$

and if one needs an isomorphic circuit with the state of rest $x_1 = \dots = x_n = 0$; 2.) if a circuit is constructed which has not the property of technical correctness, and if one needs an isomorphic circuit with this property. By a circuit with the property of technical correctness one understands a circuit for which in the sequence of states of the internal elements two arbitrary adjacent states differ only by the state of a single relay.

[Abstracter's note: Complete translation.]

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On the utility of the idea of the ...
which changes D in itself so that

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$$F^A(K_N, Z_N) = f(F(K_N, f^{-1}(Z_N))) . \quad (4)$$

If the circuit is constructed from the push buttons A, ..., C and from the relays X, ..., Y, then (1) represents a system of equations

$$\begin{aligned} x_{N+1} &= f(a_N, \dots, c_N, x_N, \dots, y_N), \\ y_{N+1} &= g(a_N, \dots, c_N, x_N, \dots, y_N) \end{aligned} \quad (5)$$

An example for a one-to-one transformation is the following:

$$\begin{aligned} x_s^* &= x_{i_s}, \quad s = 1, \dots, k \\ x_{j_r} &= \bar{x}_{j_r}, \quad r = 1, \dots, p \end{aligned}$$

where $(i_1, \dots, i_k, j_1, \dots, j_p)$ is one of the permutations of $(1, n)$ and n

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AUTHOR:

Moisil, Gr. C.

TITLE:

On the utility of the idea of the isomorphism of two relay contact circuits

PERIODICAL:

Referativnyy zhurnal, Matematika, no. 3, 1962, 52-53, abstract 3V275. ("Lucrarile stiint. Inst. ped. Timisoara. Mat.-fiz. 1959". Timisoara, 1960, 17-22)

TEXT:

Two relay circuits S and S* with recurrent equations (1)

$$Z_{N+1} = F(K_N, Z_N)$$

(2)

and

$$Z_{N+1} = F^*(K_N, Z_N)$$

where K_1 vary in the domain K (set of the commands) and Z_1 in the domain D (set of the states of the internal elements of the circuit), are called isomorphic, if there exists a one-to-one transformation f

$$Z^* = f(Z)$$

$$Z = f^{-1}(Z^*)$$

(3)

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On the synthesis of relay-contact . . .

characteristic equations of the circuit. It is shown that the method of characteristic equations is applicable also in the case of contactless circuits. The third direction is the synthesis of relay instruments in the case, where the working conditions for the performing elements in dependence of the influences on the receiving elements are known. The author proposes two methods for solving this problem (inclusively the set up of the structure formulas of the circuit). The character of the methods is described by an example. The fourth direction is the investigation of the real working of relay instruments. A method for the synthesis of relay instruments under consideration of their real method of operation is proposed; here the three-valued logic is used. The fifth direction is the simplification of relay structures by introduction of bridge connections. A series of conditions is obtained under which the introduction of bridge connections is possible.

[Abstracter's note: Complete translation.]

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On the synthesis of relay-contact ...

for contact elements and on the formulas

$$f(x_1, \dots, x_n) = \bigvee_{\alpha} [f(\bar{\alpha}_1, \dots, \bar{\alpha}_n) \bigwedge L_{\alpha_1}(x_1) \bigwedge \dots \bigwedge L_{\alpha_n}(x_n)] ,$$

$$f(x_1, \dots, x_n) = \bigwedge_{\alpha} [f(\alpha_1, \dots, \alpha_n) \bigvee L_{\alpha_1}(x_1) \bigvee \dots \bigvee L_{\alpha_n}(x_n)]$$

for contactless elements, where the notations

$$L_0(x) = \bar{x}, L_1(x) = x, \quad x_1 \bigwedge \dots \bigwedge x_n = \bigwedge_1 x_i = \bar{x}_1 \dots \bar{x}_n$$

$$x_1 \bigvee \dots \bigvee x_n = \bigvee_1 x_i = \bar{x}_1 \cup \dots \cup \bar{x}_n$$

are used. It is stated that the Boolean algebras can be axiomatized only by use of the Scheffer function " $\bigvee$ " of an arbitrary number of variables and of the negation function " $\bar{}$ ". The second direction is the analysis and synthesis of multipulse relay circuits under the assumption that all the elements belonging to the circuit and their working programs are known. This problem is solved by use of the

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168000 (1031, 1132, 2403)

AUTHOR: Moisil, Gr. K.

TITLE: On the synthesis of relay-contact circuits and circuits with electronic elements

PERIODICAL: Referativnyy zhurnal, Matematika, no. 12, 1961. 59. abstract 12A373K. (Mezhdunar federatsiya po avtomat. upr. 1-y Mezhdunar. kongress po avtomat. upr. M., AN SSSR, 1960, 13 pp, ill.)

TEXT: The author characterizes the directions of the papers on the domain of the theory of relay instruments in the Rumanian Popular Republic; a survey on the results on this domain of the author and of the collective guided by him is given. The first direction is the synthesis of single-pulse relay circuits from arbitrary relay elements. It is remarked that the solution of this problem is based on the two interpolation formulas

$$f(x_1, \dots, x_n) = \bigcup_{\alpha} f(\alpha_1, \dots, \alpha_n) L_{\alpha_1}(x_1) \dots L_{\alpha_n}(x_n),$$

$$f(x_1, \dots, x_n) = \bigcap_{\alpha} [f(\bar{\alpha}_1, \dots, \bar{\alpha}_n) \cup L_{\alpha_1}(x_1) \cup L_{\alpha_2}(x_2) \cup \dots \cup L_{\alpha_n}(x_n)]$$

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An algebraic theory of the circuit ...

Criotron chains which realize the functions

$$\begin{aligned} w &= ab, \\ w &= \bar{a} \cup b, \\ w &= \bar{a}_1 \dots \bar{a}_n b_1 \dots b_n, \\ w &= \bar{a}_1 \dots \bar{a}_{m_1} b_1 \dots b_{m_1} \cup \dots \\ &\cup \bar{a}_{m_r} \dots \bar{a}_{m_r} b_{r_1} \dots b_{r_m} \end{aligned}$$

are represented. On this basis it is asserted that the interpolation formula

$$f(x_1, \dots, x_m) = \bigcup_{\alpha} f(\alpha_1, \dots, \alpha_n) L_{\alpha_1}(x_1) \dots L_{\alpha_n}(x_n)$$

where $\alpha = 0$ or 1 , $L_0(x) = \bar{x}$, $L_1(x) = x$, can be realized by a criotron chain.

[Abstracter's note: Complete translation.]

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